3-255-587-41

CD STEREO RADIO CASSETTE RECORDER

CSD-A300

OPERATING INSTRUCTIONS

COMPACT disc DIGITAL AUDIO

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Warning

To prevent fire or shock hazard, do not expose the player to rain or moisture.

To avoid electrical shock, do not open the cabinet.
Refer servicing to qualified personnel only.

Information

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT mark is located at the bottom.

WARNING
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the appliance.

Precautions

On safety
- As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the player, unplug the player, and have it checked by qualified personnel before operating it any further.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this player. Attempting to do so may damage the player. Do not use such discs.

Cleaning the cabinet
- Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.

On power sources
- For AC operation, check that the player's operating voltage is identical with your local power supply (see "Specifications") and use the supplied mains lead: do not use any other type.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- For battery operation, use six R20 (size D) batteries.
- When the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
- The nameplate indicating operating voltage, power consumption, etc. is located at the bottom.

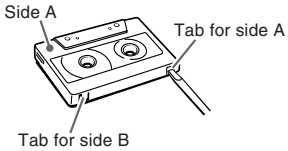
On placement
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Do not place the player on an inclined or unstable place.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and prolong the life of its components.
- If the player is left in a car parked in the sun, be sure to choose a location in the car where the player will not be subjected to the direct rays of the sun.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the player to prevent possible damage from the magnet.

On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player section. Should this occur, the player will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.
- If the player has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

Notes on Cassettes

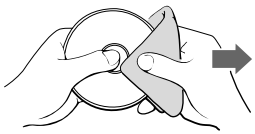
- Break off the cassette tab from side A or B to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab with adhesive tape.



- The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

Notes on CD

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.



- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for LPs.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in temperature inside the car.
- Do not stick paper or sticker on the CD, nor scratch the surface of the CD.
- After playing, store the CD in its case.

If there is a scratch, dirt or fingerprints on the CD, it may cause tracking error.

About CD-Rs/CD-RWs

This player can play CD-Rs/CD-RWs recorded in the CD-DA format*, but playback capability may vary depending on the quality of the disc and the condition of the recording device.

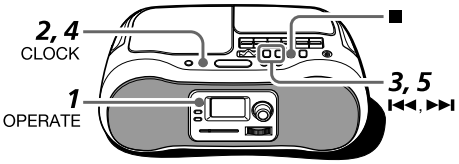
* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for Audio CDs.

Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard.
Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

If you have any questions or problems concerning your player, please consult your nearest Aiwa dealer.

Setting the clock



When the AC power code is connected for the first time, the clock display flashes. Set the time while the power is on.

1 Press OPERATE to turn on the player.

2 Hold down CLOCK until the hour flashes.

3 Press I◄◄ or ►►I to designate the hour.

4 Press CLOCK.
The hour stops flashing and the minute starts flashing.

5 Press I◄◄ or ►►I to designate the minute.

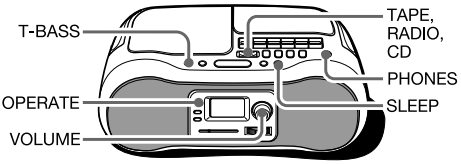
6 Press CLOCK to complete the setting.
The clock starts from 00 seconds.

To display the current time while the power is on
Press CLOCK. To cancel, press it again.
While setting the timer and alarm, the clock display will not appear.

To switch to the 12/24-hour standard
In steps from 2 to 5 above, press ■.
In the 12-hour standard, “AM 12:00” indicates midnight and “PM 12:00” indicates noon.

If the clock display flashes
This is caused by a power interruption. Reset the clock.

Before use



To turn on the player
Press OPERATE.
After using the player, press it to turn off.
The clock display appears on the display.
- Pressing SLEEP also turns on the player with the sleep timer on.

To select the functions
Set the function switch to TAPE, RADIO or CD.

The back-light for the display window is off:
- While the power is off.
- While using the player on the batteries.
- While the sleep timer is on.

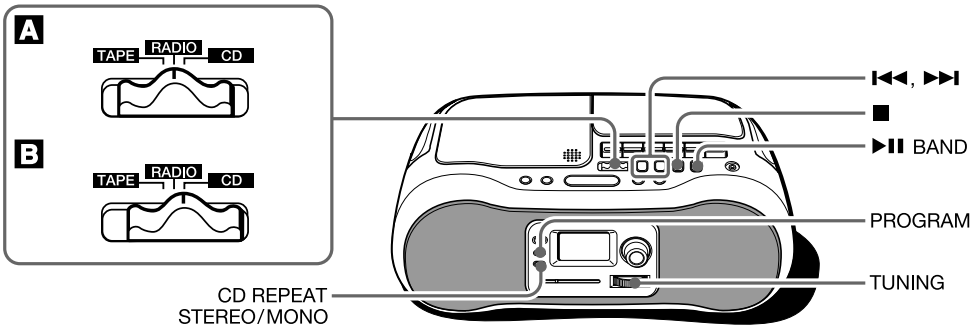
Sound adjustment

Volume and tone adjustment does not affect recording.

Volume
Turn VOL.
Before turning on the player, turn the volume down.

T-BASS system
The T-BASS system enhances the realism of low-frequency sound.
Press T-BASS to turn it on or off.

To listen with the headphones
Connect headphones with a stereo mini plug to the PHONES jack. The sound is not output from the speakers.



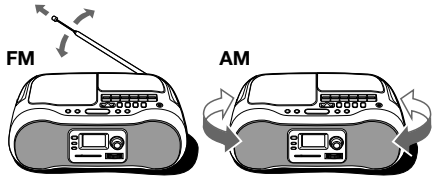
A RADIO OPERATION

1 Select RADIO with the function switch.

2 Press ▶II BAND repeatedly to select the desired band, FM or AM.

3 Tune in a station with TUNING.

For better reception



FM
Extend the telescopic antenna and orient it for the best reception.

AM
The antenna is inside the player. Position the player for the best reception.

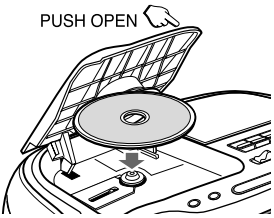
Additional operation
STEREO/MONO - Reduces the FM noise. If an FM stereo broadcast contains noise, press it repeatedly so that "FM Mo" is displayed.
Noise is reduced, although reception is monaural. To restore stereo reception, press the button to display "FM St".

Note
If the unit picks up noise from other electrical appliances nearby, like a TV or fluorescent lights, move the unit.

B CD OPERATION

1 Select CD with the function switch.

2 Press PUSH OPEN to open the CD compartment and place the CD.
Place the CD with the label side up.



3 Close the lid of the CD compartment.
The total number of tracks and total playing time are displayed.

4 Press ▶II.
The current track number and its elapsed playing time are displayed.
The player plays all the tracks once.

Additional operations
■ - Stops play.
▶II - Pauses play. To resume play, press again. This button has a tactile dot.
I◀◀ or ▶▶I - Skips back or forward to the beginning of a track by pressing it repeatedly. Searches back or forward for a point during playback or pause mode by holding it down. Release it at the desired point.
CD REPEAT - Repeats a single track (↻ 1) or all tracks (↻). Press it to select the desired mode. When repeating a single track, select the track with **I◀◀** or **▶▶I**.

Notes
- Do not try to open the CD compartment during play.
- Do not place more than one CD in the CD compartment.
- Do not touch the lens. Doing so may cause malfunction.

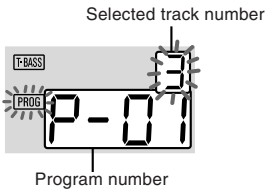
Programmed play

You can arrange the playing order of up to 30 tracks on a CD.

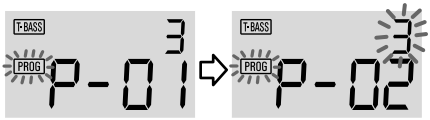
1 Select CD function and place the CD.

2 In stop mode, press PROGRAM.
"PROG" flashes in the display.

3 Press I◄◄ or ►►I to select a track.



4 Press ■ to store it.
After showing the selected track and its program number for a few seconds, the display changes to the new one for the next program.



5 Repeat steps 3 and 4 to program other tracks.

6 Press PROGRAM to finish the program.
"PROG" stops flashing.

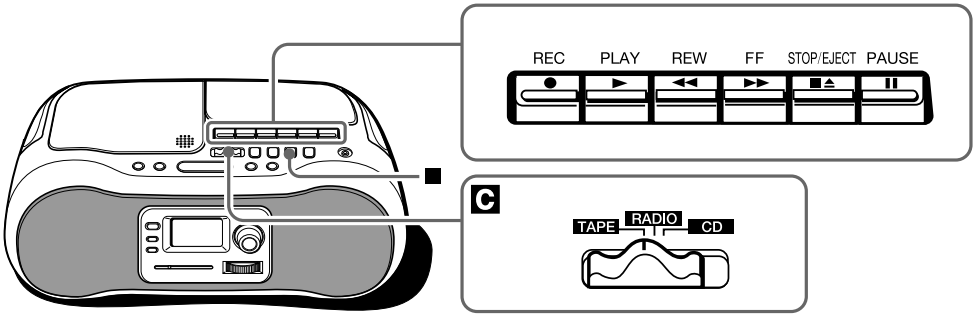
Pressing ►II finishes the program and starts programmed play.

Tip
You can repeat the programmed play.
After programming, press REPEAT to display "↻".

To check the program
In stop mode, press I◄◄ or ►►I repeatedly.
The programmed track and its program number are displayed in order.

To clear the program
In stop mode, press PROGRAM.
All the programs are cleared and the total number of the tracks and total playing time are displayed.

To change the program
Clear the program and repeat all the steps again.



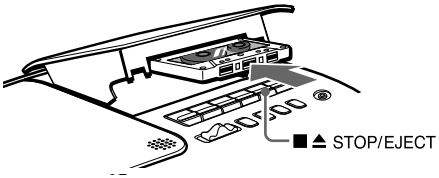
C TAPE OPERATION

- Use Type I (normal) tapes only.
- The player plays (records on) the side facing up.

Playing a tape

1 Select TAPE with the function switch.

2 Press ■≜ STOP/EJECT to open the cassette compartment and insert a recorded tape.
Then close the compartment.



3 Press ► PLAY.
Playback starts.
During tape operation, "TAPE" is displayed.
► PLAY button has a tactile dot.

Additional operations
■≜ STOP/EJECT - Stops play.
❚❚ PAUSE - Pauses play. To resume play, press again.
►► FF, ◄◄ REW - Fast-forwards or rewinds a tape. To stop the winding, press ■≜.

Recording on a tape

1 Press ■≜ STOP/EJECT to open the cassette compartment and insert a blank tape.
Then close the compartment.

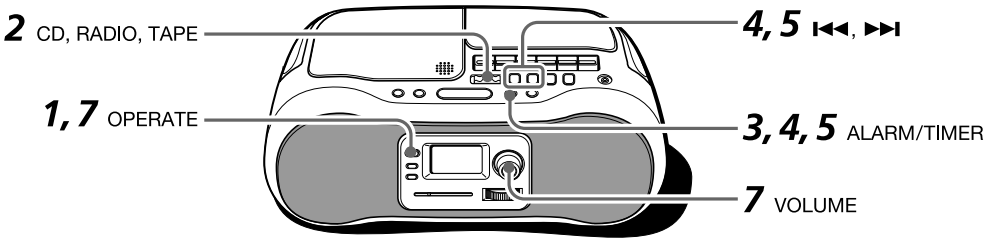
2 Get ready to record from the source.
To record from a CD, select CD with the function switch and load the CD.
To record from a radio broadcast, select RADIO with the function switch and tune in a station.

3 Press ● REC to start recording.
► PLAY is pressed simultaneously.
When the selected function is CD, CD play and recording starts simultaneously.

Additional operations
■≜ STOP/EJECT - Stops recording.
❚❚ PAUSE - Pauses recording. To resume recording, press again.

Tips
- **►❚❚**, **I◄◄**, **►►I** and STEREO/MONO do not work during recording.
- Volume or tone adjustment does not affect recording.
- For the best results, use the AC power as a power source when recording.
- To erase recording, select TAPE with the function switch and insert a tape. Then press ● REC.

If a high-pitched sound is heard during AM recording, press ■ repeatedly to display "BEAT 1", "BEAT 2" or "BEAT 3", and select the position that eliminates the noise.



D TIMER OPERATION

Timer playback/Alarm

You can turn on the player at a specified time every day with the built-in timer, and you can also use the player as an alarm clock.
Make sure the clock is set correctly.

1 Press OPERATE to turn on the player.

2 Select the function, CD, RADIO or TAPE.
CD or RADIO: The selected source starts playback at a specified time.
TAPE: The player can be used as an alarm clock. Beep sound rings at a specified time.

3 Hold down ALARM/TIMER until the hour flashes.

Timer

Alarm

4 Press ⏮ or ⏭ to specify the hour of the timer/alarm-on time, and press ALARM/TIMER.
The hour stops flashing and the minute starts flashing.

5 Press ⏮ or ⏭ to specify the minute of the timer/alarm-on time, and press ALARM/TIMER.

6 Prepare the source for the timer.
RADIO: Select the band and tune in the desired station.
CD: Load the CD.

7 Turn off the player after adjusting the volume.
The symbol mark remains lit on the display to indicate the player is in timer/alarm standby mode.

Note
Do not try timer playback of the tape and timer recording. Doing so causes malfunction for the player or damage to the tape.

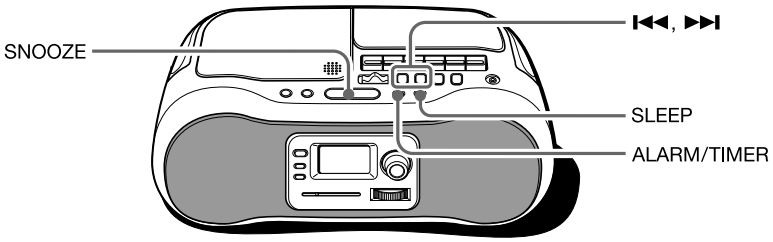
Tips
- The alarm volume cannot be adjusted.
- The alarm beeps for about 5 minutes and stops.
- When using the player after setting the timer/alarm, repeat steps 2, 6 and 7.
- You can change the mode, to timer or to alarm, after completing all the steps. Repeat steps 1, 2, 6 and 7. When changing the mode while the power is off, you cannot check it on the display.

To check the timer/alarm-on time
Press ALARM/TIMER while the power is on.
The time is displayed for 4 seconds.

To cancel the timer/alarm standby mode
Press ALARM/TIMER repeatedly until the symbol mark (or) disappears.
To restore the standby mode, press it again.

To stop alarm sound
Press ALARM/TIMER or OPERATE.

To reset the timer/alarm
Repeat all the steps again.



TIMER OPERATION

Snooze function

When turning on the player by the timer playback or alarm function, the snooze function can be available.

Press SNOOZE when the timer playback starts or the alarm beeps.
Playback or alarm stops temporarily and starts again after 5 minutes.
• The snooze function can be repeated up to 6 times.

To cancel the snooze function
While the snooze function is activated, press ALARM/TIMER.

Sleep timer

You can turn off the player automatically at a specified time.

1 **Press SLEEP.**

2 **Within 4 seconds, press I◄◄ or ►►I to specify the timer-activated period.**
It can be set between 10 and 180 minutes in 10-minute steps.

Tips
While the sleep timer is activated:
- The back-light for the display window is turned off.
- " " is displayed.

To check the time remaining until the power is turned off
Press SLEEP once. The remaining time is displayed for 4 seconds.

To cancel the sleep timer
Press SLEEP twice so that "OFF" is displayed.

Simple sleep timer setting
Press SLEEP while the power is off. The player is turned on with the last function, and the sleep timer is automatically set to 30-minute.
If you want to change the timer-activate period, press I◄◄ or ►►I within 4 seconds.

Note
While playing or recording on the tape, the player is not turned off after the specified time has passed. In this case, the player will be turned off after the tape stops.

Additional information

Specifications

CD player section

System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length: λ = 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 μW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20 - 20,000 Hz +1/-2dB
Wow and flutter
Below measurable limit

Radio section

Frequency range
FM: 87.5 - 108 MHz
AM: 530 - 1,610 kHz
Antenna
FM: Telescopic antenna
AM: Built-in ferrite bar antenna

Cassette recorder section

Recording system
4-track 2 channel stereo
Fast winding time
Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 80 - 10,000 Hz

General

Speaker
Full range: 8 cm dia.,
4 ohm, cone type (2)
Outputs
PHONES: Headphones jack (stereo minijack)
For 16 - 68 ohms impedance headphones
Maximum power output
2 W + 2 W (at 4 ohm, 10% harmonic distortion)
Power requirements
230 V AC, 50 Hz
9 V DC, 6 size D (R20) batteries
Power consumption
AC 15 W
Battery life

FM recording
Sony R20P: approx. 13.5 h
Sony alkaline LR20: approx. 24 h
Tape playback
Sony R20P: approx. 7.5 h
Sony alkaline LR20: approx. 15 h
CD playback
Sony R20P: approx. 2.5 h
Sony alkaline LR20: approx. 7 h

Dimensions
Approx. 358 × 152 × 253 mm (w/h/d)
(incl. projecting parts)
Mass
Approx. 3.5 kg (incl. batteries)
Supplied accessories
AC power code (1)

Design and specifications are subject to change without notice.

COPYRIGHT

Please check the copyright lows relating to recordings from disc or radio for the country in which the machine is being used.

Troubleshooting

General

The power is not on.

- Connect the AC power code to a wall outlet securely.
- Make sure the batteries are inserted correctly.

The power is not on, and “Er” and “bAtt” are displayed.

- Make sure the batteries are inserted correctly.

The power is not on, and “Lo” and “bAtt” are displayed.

- Replace all the batteries with new ones.

There is no audio.

- Adjust the volume.
- Unplug the headphones when listening through the speakers.

Noise is heard.

- Someone is using a portable telephone or other equipment that emits radio waves near the player.
  ➔ Move the portable telephone, etc., away from the player.

Radio

The audio is weak or has poor quality.

- Replace all the batteries with new ones if they are weak.
- Move the player away from the TV.

The picture of your TV becomes unstable.

- If you are listening to FM radio near the TV with an indoor antenna, move the player away from the TV.

CD Player

“noCd” is displayed even when a CD is in place.

- Insert the CD with the label side up.
- The CD-R/CD-RW is blank.
- The CD-R/CD-RW is not finalized. Finalize the CD-R/CD-RW with the recording device.
- There is a problem with the quality of the CD-R/CD-RW, recording device or application software.

The CD does not play.

- Make sure that the CD compartment is closed.
- Place the CD with the label side up.
- Clean the CD.
- Take out the CD and leave the CD compartment open for about an hour to dry moisture condensation.

The sound drops out.

- Reduce the volume.
- Clean the CD, or replace it if the CD is badly damaged.
- Place the player in a location free from vibration.
- Clean the lens with a commercially available blower.
- The sound may drop out or noise may be heard when using poor quality CD-Rs/CD-RWs or if there is a problem with the recording device or application software.

Tape player

The player does not move when you press an operation button.

- Close the cassette compartment securely.

The ● REC does not function.

- Make sure the cassette tab for the side is not broken (see page 3).

The player does not erase completely.

- Clean the erasing head.
- Replace all the batteries with new ones if they are weak.
- The source which was recorded on TYPE II (high position) or TYPE IV (metal) tape by this unit is being played. Record on TYPE I (normal) tape and play.

The player does not record.

- Make sure the tape is inserted properly.
- Make sure the cassette tab for the side is not broken (see page 3).

The audio is weak/The audio quality is poor.

- Clean the heads, pinch roller and capstan.
- Demagnetize the heads using a demagnetizer.

The sound is distorted.

- TYPE II (high position) or TYPE IV (metal) tape is being used. Use TYPE I (normal) tape only.

Timer

The player does not enter the timer setting mode.

- Set the clock first. TIMER/ALARM does not work before setting the clock.

Timer play or alarm does not start at the specified time.

- Set the timer/alarm-on time correctly.
- Turn off the player after setting the timer/alarm.

Sleep timer does not work after the specified time has passed.

- While playing or recording on the tape, the player is not turned off after the specified time has passed. In this case, the player will be turned off after the tape stops.

To clean the heads

When the tape heads are dirty;
- high frequency sound is not emitted
- the sound is not adequately high
- the sound is off-balance
- the tape cannot be erased
- the tape cannot be recorded on

After every 10 hours of use, clean the tape heads with a head cleaning cassette.
Use separately sold dry-type or wet-type cleaning cassette.
Refer to the instructions of the cleaning cassette for details.

If you still have problems after trying the above

Try to reset the player.
Disconnect the AC power cord and remove all the batteries. Leave the player for 2 hours or more and turn the power back on.
If the problem persists, please consult your nearest Aiwa dealer.